

PATENT SPECIFICATION

599,243



Application Date: Nov. 26, 1945. No. 31872/45.

Complete Specification Left: Oct. 31, 1946.

Complete Specification Accepted: March 8, 1948.

PATENTS AND DESIGNS ACTS, 1907 to 1946

SPECIFICATION NO. 599,243

Reference has been directed, in pursuance of Section 8, sub-section (2), of the Patents and Designs Acts, 1907 to 1946, to Specification No. 602,397.

THE PATENT OFFICE,
3rd August, 1949.

10 ~~01 FUR.~~ an improvement in an infant's high chair or of being partially dismantled to form a separate chair and a table.

15 According to the invention an infant's chair is provided wherein the upper part comprising a seat and a removable table or tray can be detached from its support and used as a separate chair in conjunction with a table top mounted on the said support.

20 In carrying the invention into effect and according to the preferred form thereof an infant's chair is constructed from a tubular metal framework, comprising an upper portion embodying a seat and back and a lower portion which forms a standard or support for the upper portion. The seat and back may be made in one piece in sheet metal, plywood or other material capable of being bent to the required shape and to form a foot rest at the lower front edge, the seat and back being covered where necessary with upholstery material which may conveniently be sponge rubber enclosed by polyvinyl chloride sheeting or the like. This seat and back form part of a unit which includes arms secured to the back at or about the mid-portions of its vertical edges and extending horizontally, being integral with front vertical portions which terminate in rearwardly extending horizontal portions. To the forward portion of the arms is secured a pivoted table or tray which is preferably made so as to be completely removable.

25 The upper unit above described is adapted to be supported by a framework

from the mid-portion of its rear. The two front members are bent horizontally at their upper ends and connected by a rear member so that they form in plan a frame of smaller area but of the same form as the rectangular portion which rests on the floor, the rear support being connected to the mid-portion of the rear member of the upper frame. The side upper members of the lower unit are formed with channel members or sockets into which the lower rearward extensions on the arms of the seat can be pushed and retained so as to support the seat thereby. If the seat is required at a lower height the arms thereof can be pushed into the said channel members and supported.

30 The arrangement above described can also be used to provide a chair and table by employing the upper unit embodying the seat and back as a separate unit resting upon the floor with the lower unit as the table. To form a compact unit capable of use for either purpose a portable table top is normally disposed upon the base of the supporting standard from which it can be withdrawn and laid upon or secured to the upper part of this standard to form a table for use in conjunction with the chair.

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Dated this 26th day of November, 1945.

HERON ROGERS & CO.,
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Bridge House, 181, Queen Victoria Street,
London, E.C.4.

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Application Date: Nov. 26, 1945. No. 31872/45.

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PROVISIONAL SPECIFICATION

Improvements in or relating to the Construction of Seat Furniture

I, ROBERT CANTOR, a British Subject, of 41, Cavendish Avenue, Eastbourne, Sussex, do hereby declare the nature of this invention to be as follows:—

5 This invention relates to the construction of furniture and has for its object to provide an improved construction or arrangement capable of use as an infant's high chair or of being partially dismantled to form a 10 separate chair and a table.

According to the invention an infant's chair is provided wherein the upper part comprising a seat and a removable table or tray can be detached from its support 15 and used as a separate chair in conjunction with a table top mounted on the said support.

In carrying the invention into effect and according to the preferred form thereof an 20 infant's chair is constructed from a tubular metal framework, comprising an upper portion embodying a seat and back and a lower portion which forms a standard or support for the upper portion. The seat 25 and back may be made in one piece in sheet metal, plywood or other material capable of being bent to the required shape and to form a foot rest at the lower front edge, the seat and back being covered where 30 necessary with upholstery material which may conveniently be sponge rubber enclosed by polyvinyl chloride sheeting or the like. This seat and back form part of a unit which includes arms secured to 35 the back at or about the mid-portions of its vertical edges and extending horizontally, being integral with front vertical portions which terminate in rearwardly extending horizontal portions. To the 40 forward portion of the arms is secured a pivoted table or tray which is preferably made so as to be completely removable.

The upper unit above described is adapted to be supported by a framework

which stands on the floor. This framework comprises a base which may be of triangular form but which is conveniently formed as three sides of a rectangle, its free ends being bent upwardly at the front with a third member extending upwardly from the mid-portion of its rear. The two front members are bent horizontally at their upper ends and connected by a rear member so that they form in plan a frame of smaller area but of the same form as the rectangular portion which rests on the floor, the rear support being connected to the mid-portion of the rear member of the upper frame. The side upper members of the lower unit are formed with channel members or sockets into which the lower rearward extensions on the arms of the seat can be pushed and retained so as to support the seat thereby. If the seat is required at a lower height the arms thereof can be pushed into the said channel members and supported.

The arrangement above described can also be used to provide a chair and table by employing the upper unit embodying the seat and back as a separate unit resting upon the floor with the lower unit as the table. To form a compact unit capable of use for either purpose a portable table top is normally disposed upon the base of the supporting standard from which it can be withdrawn and laid upon or secured to the upper part of this standard to form a table for use in conjunction with the chair.

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Dated this 26th day of November, 1945.

HERON ROGERS & CO.,
Agents for Applicant,
Bridge House, 181, Queen Victoria Street,
London, E.C.4.

COMPLETE SPECIFICATION

Improvements in or relating to the Construction of Seat Furniture

I, ROBERT CANTOR, British Subject, of 41, Cavendish Avenue, Eastbourne, Sussex, do hereby declare the nature of this invention and in what manner the same 5 is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to furniture and 10 has for its object to provide a composite piece of furniture particularly suitable for the use of infants or very young children.

The invention consists in a piece of furniture comprising a seat-back unit and a separate mounting therefor such that 15 the said unit may be secured upon the mounting at two different levels or may be completely removed therefrom and used as an independent unit.

The invention also consists in a piece of 20 furniture according to the preceding paragraph in which the seat and back unit incorporates a movable or removable table or tray.

Further features of the invention will be 25 apparent from the description given hereafter.

The accompanying drawings illustrate one mode of carrying out the invention.

Figure 1 is a side elevation of one 30 convenient form of composite piece of furniture in accordance with the invention.

Figure 2 is a front elevation of Figure 1.

Figure 3 is a perspective view on a smaller 35 scale showing the parts in a different position from that shown in Figure 1, and

Figure 4 is a similar view to Figure 3 showing the seat and back structure in use as an independent unit.

In carrying my invention into effect 40 when producing an infant's high-chair I construct in one convenient manner the piece of furniture preferably from tubular metal, and I form the same in two parts, an upper part embodying a seat and back, 45 and a lower part which forms a stand or mounting for the upper portion.

The actual seat and back *a* may be made 50 in one piece of sheet metal, plywood or other material, capable of being bent to the required shape and to form a foot-rest *a*¹ at the lower front edge if such is required the seat and back being covered where necessary with upholstery material of sponge rubber enclosed in a transparent 55 plastic sheet or which may be of other suitable form. The seat and back unit is carried by a tubular metal framework comprising an upper horizontal U shaped member *b* and a similar lower U shaped

horizontal member *c*, the two portions being united by the members *d* which are preferably formed integral with the U members but may be rigidly secured thereto. The members *d* are united by a cross-bar *e* forming a rest for the seat portion and the back of the seat unit may be secured to the rear member of the upper horizontal *b* at about midway of the length of the back. The piece of furniture is completed by a lower stand or mounting which may be of generally similar form to the frame of the upper member and which accordingly consists of an upper U shaped member *f* and a lower U shaped member *g* united by the members *h* and also united at the rear by a vertical member *h*¹. The dimensions of the members *b*, *c* and *f* are so chosen that either the member *b* or member *c* may be attached to the member *f* by means of U shaped clips *i* or by channel guides or otherwise so that the seat unit may thus be secured upon its mounting at two different levels as shown respectively in Figures 1 and 3. However, the member *g* is generally of larger dimensions so as to give greater stability to the whole device.

The securing of the seat and back structure on its mounting may be completed by means of a U shaped clip *k* uniting the rear tubular members of the respective parts, these being held in place by a pin *l*. In addition to mounting the seat and back structure at two different levels on the lower stand or mounting it may, when desired, be completely detached therefrom and used as an independent unit in the manner shown in Figure 4.

When the piece of furniture is required for the use of an infant I prefer to provide therein a table or tray *m* which may be removably secured in the unit, for example, by having tubular members sliding in channels in the upper horizontals *b* of the unit but I prefer to employ the construction shown in the drawings in which the tray or table is secured to tubular members *n* bent back upon themselves in the manner shown in the drawings so as to close in to some extent the sides of the seat, the free ends of the tubular members being pivoted to the members *d* so that the tray may either assume its operative position as shown in Figures 1, 2, and 4, or may be moved back out of the way beneath the seat as shown in Figure 3. Preferably the pivots are provided with clamping screws *o* or other means by which the tray or table may be securely held in either its

operative or inoperative position.

When the tray or table is completely removable as above described it may, when not in use, be conveniently held in 5 channel or other guides formed with the lower horizontal member *g* of the stand or mounting.

It will be understood that the foregoing 10 details of construction are given by way of example only to indicate the nature of the invention and not to limit its scope and I may vary the shape and mode of construction of the respective units and the material from which the same are formed 15 depending upon any particular practical requirements that may have to be fulfilled. Furthermore, while I prefer a tubular construction as shown this is not an essential feature of the invention and any other 20 convenient form of construction may be adopted.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be per- 25 formed, I declare that what I claim is:—

1. A piece of furniture comprising a seat-back unit and a separate mounting therefor such that the said unit may be secured upon the mounting at two different 30 levels or may be completely removed therefrom and used as an independent unit.
2. A piece of furniture comprising a tubular seat structure having upper and lower horizontals, a mounting for the said 35 structure having upper and lower hori-

tals and means for securing either upper or lower horizontal of the seat structure to the upper horizontal of the mounting.

3. A piece of furniture according to claim 2 in which the horizontals of the two units are in the form of **U** members, the limbs of which are respectively united by front verticals or uprights. 40

4. A piece of furniture according to claim 3 in which the upper and lower **U** members of the stand or mounting are also united at the rear by a vertical or upright. 45

5. A piece of furniture according to claims 2 to 4 in which the securing of the units in their respective positions is effected by **U** clips or channels formed with or secured to the upper horizontal of the mounting. 50

6. A piece of furniture according to any preceding claim incorporating also a movable or removable table or tray. 55

7. A piece of furniture according to claim 6 in which the table or tray is secured to a **U** member, the limbs of which are turned back upon themselves so as to close in to some extent the sides of the seat, the free ends of the limbs being pivoted to the uprights or verticals of the seat structure. 60

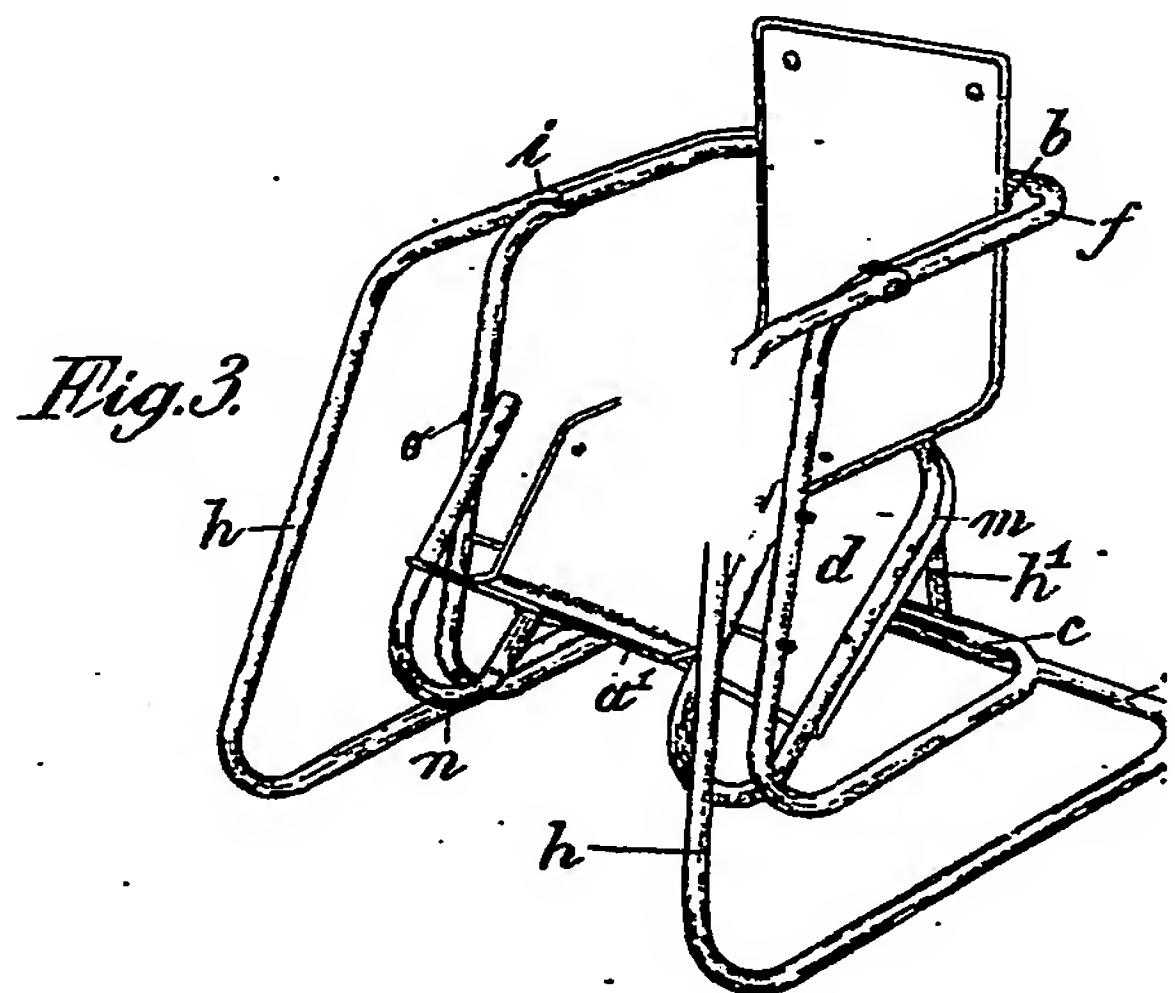
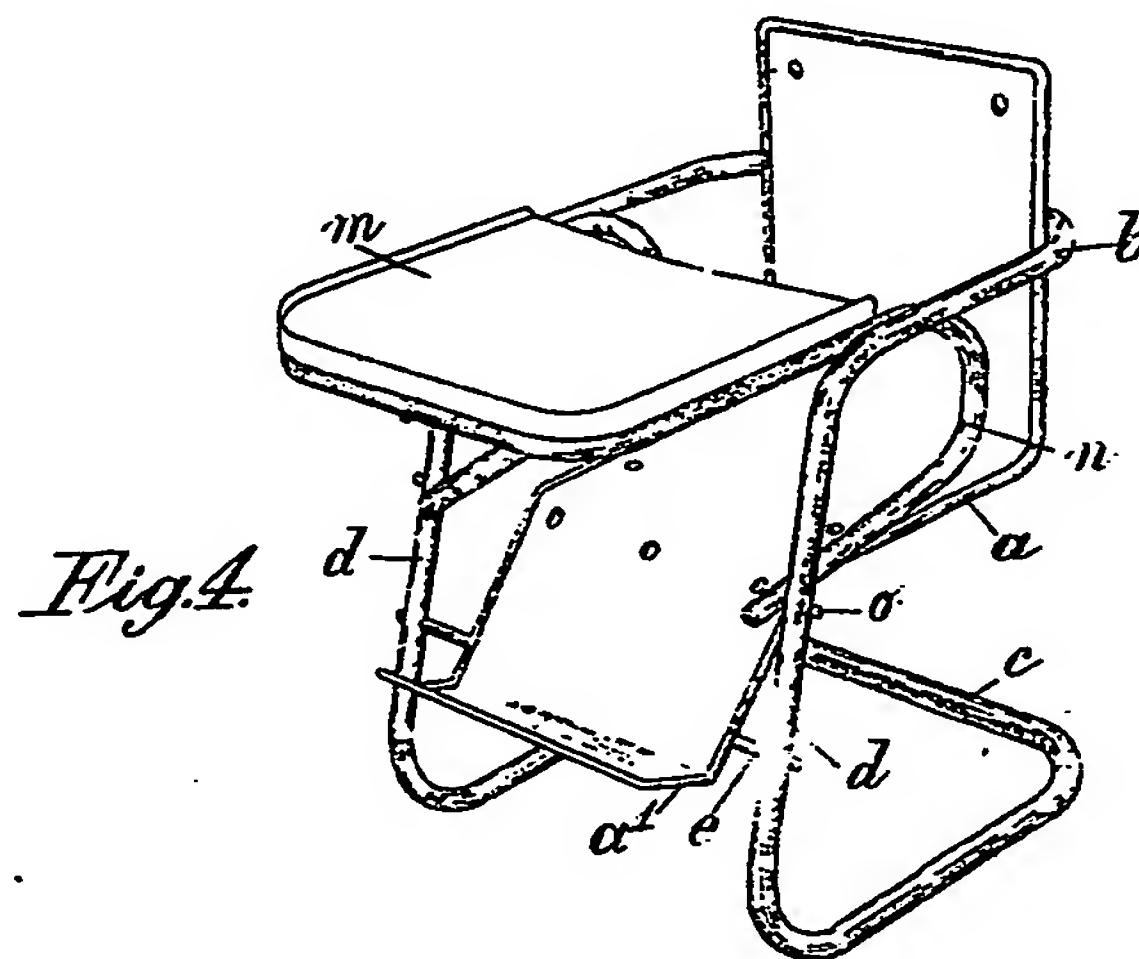
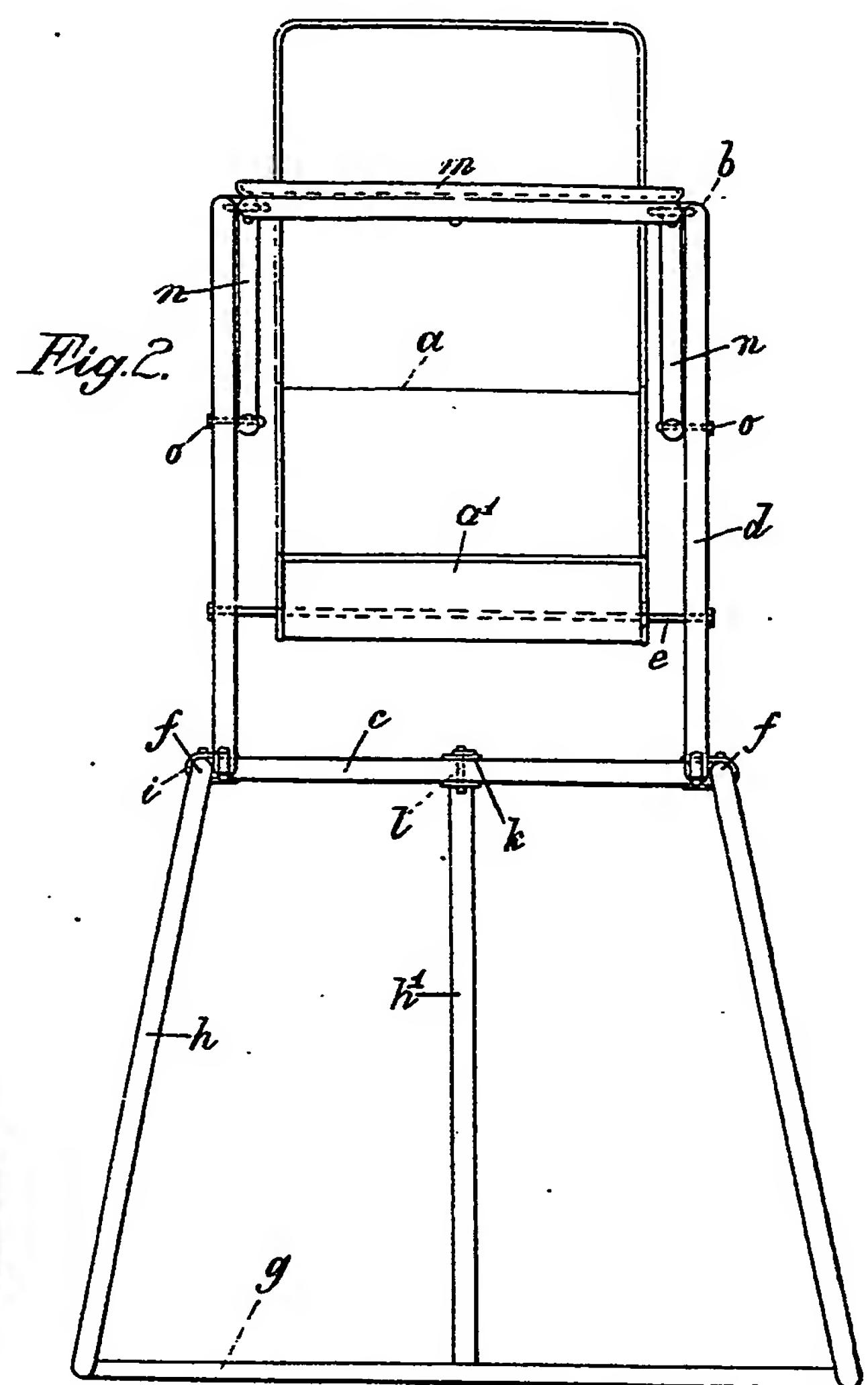
8. Improved article of furniture substantially as described with reference to the accompanying drawings. 65

Dated this 31st day of October, 1946.

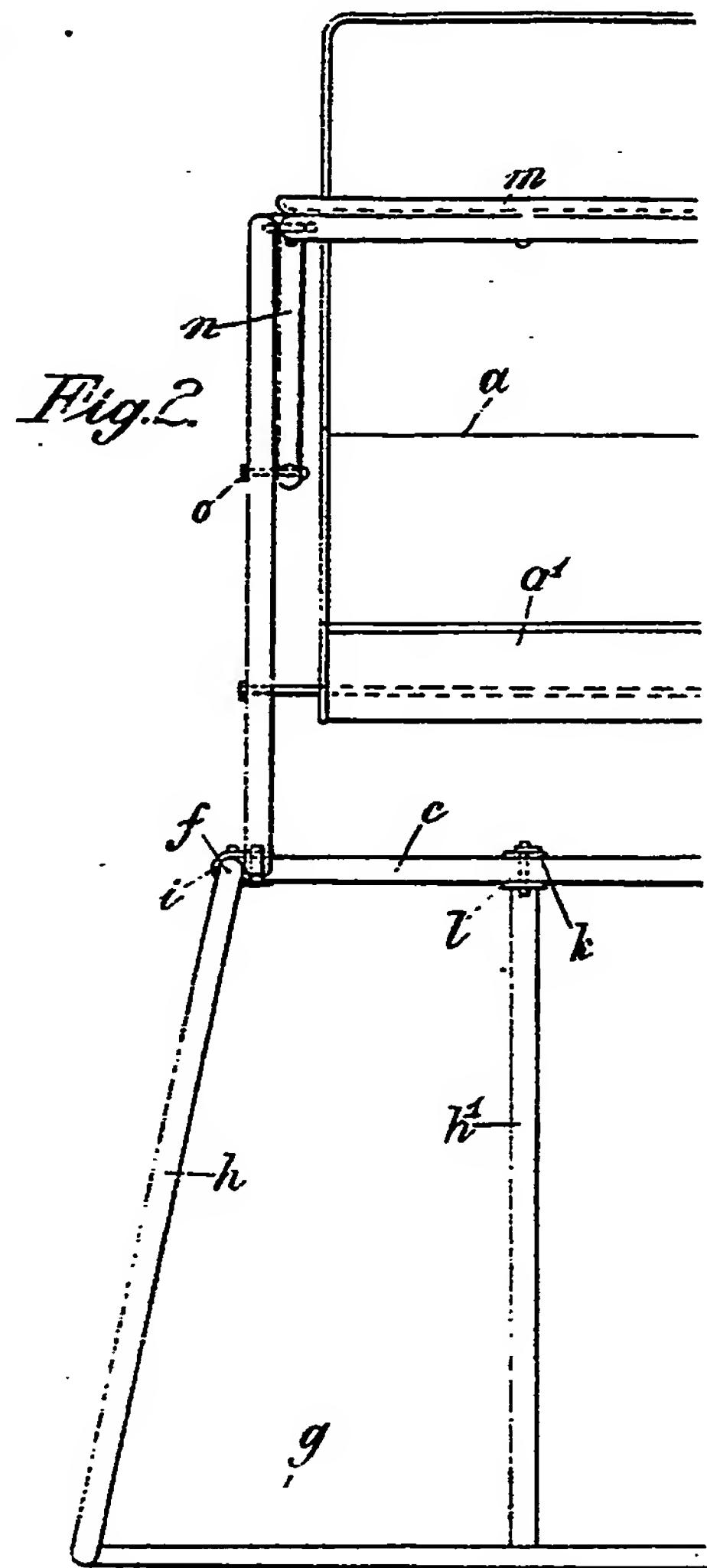
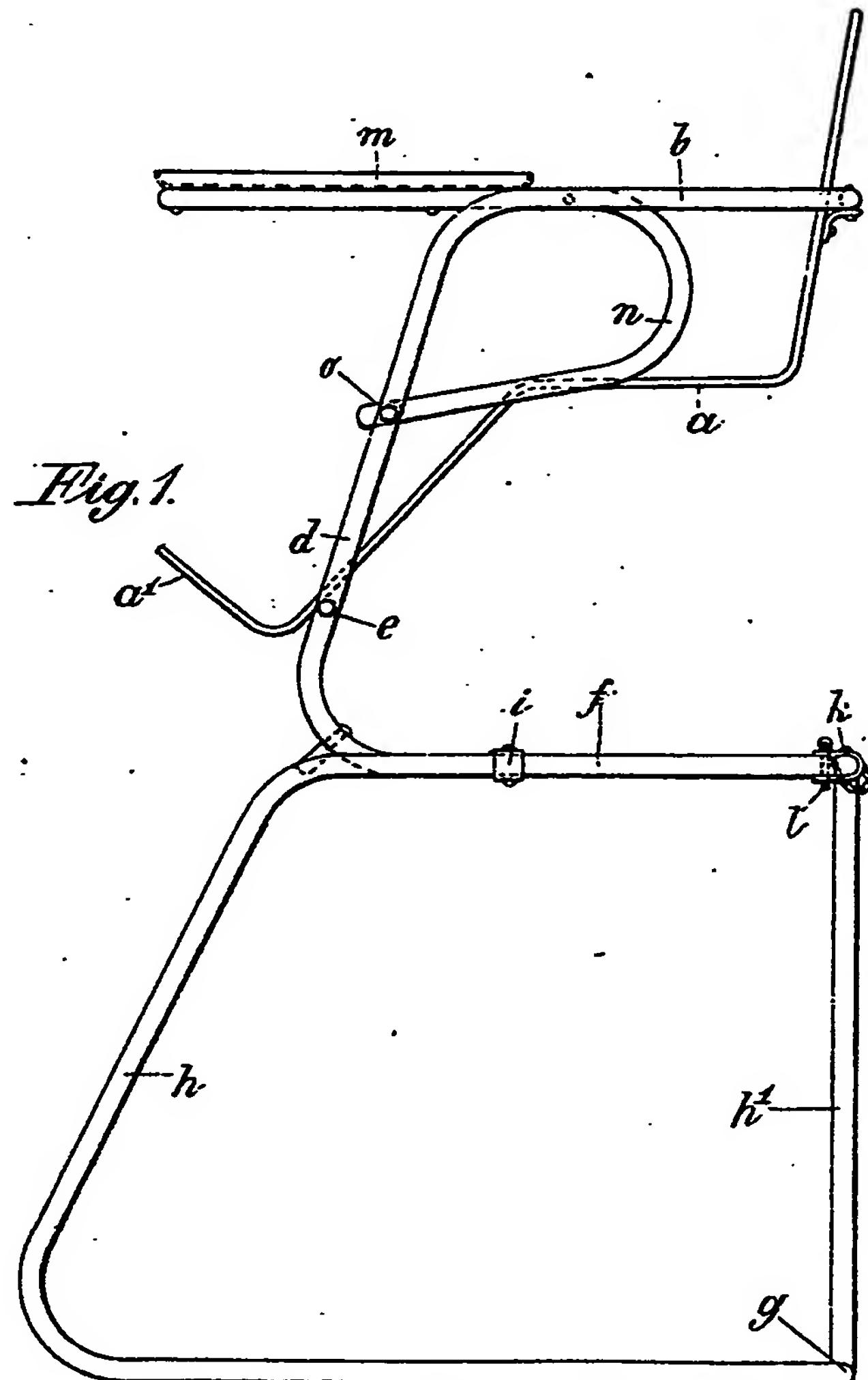
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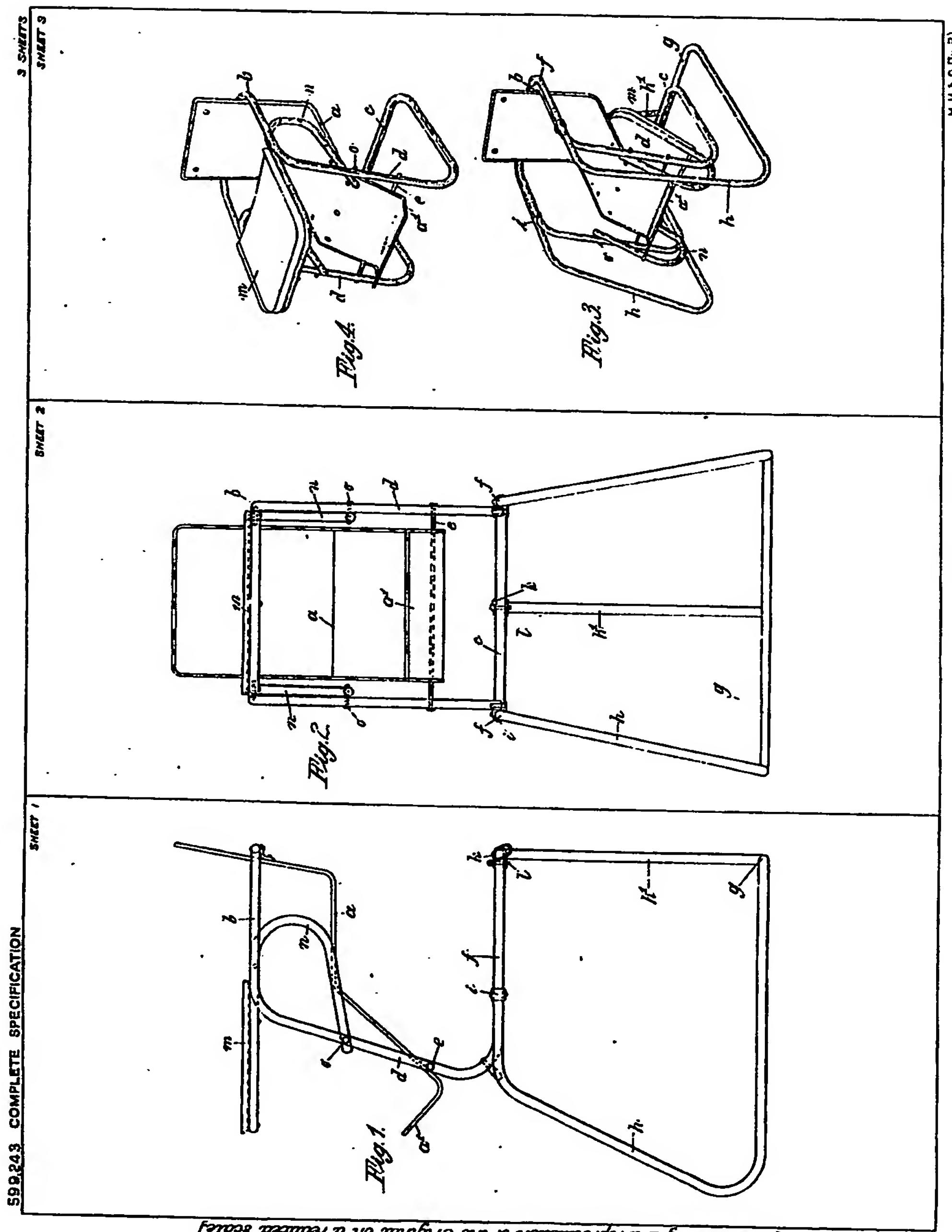
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[This Drawing is a reproduction of the Original on a reduced scale.]





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